Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/17/2019 12:56 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124276	-1	2.27	124284	2.24
Blue	F	SSC	125000	124329	-1	1.56	125106	1.57
Blue	E	FITC	16433	16088	-3	2.75	349	19.90
Blue	D	PE	27595	27316	-2	1.90	593	14.37
Blue	B	PerCP-Cy5-5	43183	43104	-1	3.66	1162	20.08
Blue	A	PE-Cy7	31943	32354	1	6.14	626	39.75
Red	C	APC	42819	42644	-1	2.39	1503	12.29
Red	A	APC-Cy7	31261	30459	-3	2.36	824	11.85
Violet	B	V450	6527	6325	-4	4.36	352	13.15
Violet	A	V500	24533	23696	-4	4.15	550	10.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17931	12.23	610	10	N/A	N/A	Pass
Blue	F	SSC	56564	1.13	553	5	N/A	N/A	Pass
Blue	E	FITC	63	63.54	540	1	0.0203	119	Pass
Blue	D	PE	124	48.82	537	3	0.1752	279	Pass
Blue	B	PerCP-Cy5-5	213	49.42	650	8	0.0093	62	Pass
Blue	A	PE-Cy7	118	96.94	699	10	0.0113	13	Pass
Red	C	APC	356	25.37	583	0	0.0234	110	Pass
Red	A	APC-Cy7	182	28.29	562	-1	0.0055	905	Pass
Violet	B	V450	54	59.82	455	0	0.0527	2101	Pass
Violet	A	V500	82	30.67	466	-1	0.0219	296	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.16	-31.72	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.42	13.60 - 20.40	N/A	N/A	29.33	29.77	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10353

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments